

Title (en)  
ABSORBENT ARTICLE

Title (de)  
ABSORBIERENDER ARTIKEL

Title (fr)  
ARTICLE ABSORBANT

Publication  
**EP 4014938 A4 20220928 (EN)**

Application  
**EP 20872101 A 20200611**

Priority  
• JP 2019180591 A 20190930  
• JP 2020023101 W 20200611

Abstract (en)  
[origin: EP4014938A1] This absorbent article improves absorption speed and liquid return suppression in a case where a bodily fluid is repeated absorbed. The absorbent article (1) is provided with an absorbent core (9) that includes highly absorbent polymer particles. The absorbent core comprises a first layer (6) on a non-skin-facing side and a second layer (8) on a skin-facing side. The first layer is provided with: a plurality of groove sections (18) that include a plurality of main groove sections (19) that extend in a longitudinal direction and penetrate in a thickness direction; and a plurality of base sections (20) that extend in the longitudinal direction. The main groove sections and the base sections extend in alternation in a transverse direction. The base sections each comprise a base section inner section (36) that is adjacent to the non-skin-facing side of the second layer and a base section outer section (34) that is adjacent to the non-skin-facing side of the base section inner section. The mean density of the highly absorbent polymer particles contained in the base section outer section is lower than the mean density of the highly absorbent polymer particles contained in the base section inner section.

IPC 8 full level  
**A61F 13/532** (2006.01); **A61F 13/533** (2006.01)

CPC (source: EP)  
**A61F 13/5323** (2013.01); **A61F 2013/530481** (2013.01)

Citation (search report)  
• [XYI] WO 2013187375 A1 20131219 - KAO CORP [JP]  
• [XYI] WO 2013187376 A1 20131219 - KAO CORP [JP]  
• [Y] EP 3482731 A1 20190515 - UNICHARM CORP [JP]  
• [A] WO 2019158238 A1 20190822 - ONTEX BVBA [BE], et al  
• See also references of WO 2021065084A1

Cited by  
EP4201385A4

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 4014938 A1 20220622; EP 4014938 A4 20220928**; JP 2021053237 A 20210408; JP 7134151 B2 20220909; WO 2021065084 A1 20210408

DOCDB simple family (application)  
**EP 20872101 A 20200611**; JP 2019180591 A 20190930; JP 2020023101 W 20200611